INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG03/00223

A.	CLASSIFICATION OF SUBJECT MATTER							
Int. Cl. 7;	H01L 21/4763, 21/285, 23/36, 23/367, 23/373, 31/024, 31/052, 31/18, H01S 5/024							
According to International Patent Classification (IPC) or to both national classification and IPC								
В.	FIELDS SEARCHED .							
Minimum documentation searched (classification system followed by classification symbols)								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) file dwpi: limit /ic h011-021 or h011-023 or h011-031 or h011-033 or h0 1s-005, gan or (gallium (w) nitride), sapphire or gaas or inp or si, epitax+ or epilayer?, copper or cu, adhesion (w) layer, seed (w) layer, (heat or thermal+) (s) (sink+ or spread+ or conduct+ or dissipat+ or remov+), laser or led? or (light (w) emitting), ohmic (w) contact, active (w) region, thick, electroplat+ or electrodeposit+, lift (w) off, (host or temporary or remov+) (2d) substrate								
C.	DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where app	Relevant to claim No.						
A	US 6562648 B1 (WONG et al.) 13 May 2003 Column 4, lines 3-17; figures 1a-1g							
A	US 2003/0064535 A1 (KUB et al.) 3 April 2003 Page 2, paragraphs [0032]–[0035]; figures 1(a)–1(d)							
A	US 6448102 B1 (KNEISSL et al.) 10 September 2002 Column 2, lines 5-38; figures 11a-11f							
X F	urther documents are listed in the continuation	of Box C X See patent family annu	ex					
which is not considered to be of particular relevance or after the international filing date considered "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) approximately approxima		ster document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle of theory underlying the invention ocument of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step then the document is taken alone ocument of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to person skilled in the art ocument member of the same patent family						
"P" docume	on or other means at published prior to the international filing later than the priority date claimed							
Date of the actual completion of the international search Date of mailing of the international search report 1 9 56 303								
2 December		Authorized officer						
	ng address of the ISA/AU PATENT OFFICE	Additionized Officer						
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA RAJEEV DESHMUKH								
E-mail address: Facsimile No. (pct@ipaustralia.gov.au 02) 6285 3929	Telephone No : (02) 6283 2145						

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG03/00223

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6210479 B1 (BOJARCZUK et al.) 3 April 2001 Column 3, line 18-column 4, line52; figures 1-6	
A	EP 1326290 A2 (XEROX CORPORATION) 9 July 2003 Abstract; figure 2	
Е, А	US 6627921 B2 (WONG et al.) 30 September 2003 Column 4, lines 10–23; figures 1a–1g	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG03/00223

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Pater	Patent Document Cited in Search Report		Patent Family Member						
US	6562648	JP	2002076523	US	2003122141				
US	2003064535		,						
US	6448102	JР	2000196197	US	6365429				
UŠ	6210479	лP	10270712	ЛP	2000252224	ЛР	2002198539		
		US	5946551	US	5981970	US	6344660		
		US	6344662						
EP	1326290	CA	2414325	JР	2003234542	US	6455340		
US	6627921	JР	2002076523	US	6562648 .	US	2003122141		
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							END OF ANNEX		